

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

11-18. (Canceled)

19. (Currently amended) A liquid conductive composition for electrolytic use, comprising a cobalt salt, a zinc salt, a polar aprotic solvent of said salts and a cobalt ligand.

20. (Currently amended) A process for the electrolytic synthesis of an organozinc compound, comprising the step of subjecting to an electrolysis on an inert cathode a composition comprising a cobalt salt, a zinc salt, a solvent, a cobalt ligand, and an organic halide, and recovering said organozinc formed by said electrolysis.

21. (Previously presented) A process according to claim 20, wherein the organozinc compound is an aromatic or vinyl organozinc compound.

22-23. (Canceled)

24. (New) A process according to claim 20 wherein the cobalt is present in the composition in oxidation state II.

25. (New) A process according to claim 20 wherein the ligand and the solvent are a single compound.

26. (New) A process according to claim 20, wherein the ligand has a coordinating atom to the cobalt which is nitrogen.

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27. (New) A process according to claim 20, wherein the ligand does not act as solvent and is a compound having a pyridine, nitrile, phosphine, stibine or imine function.
28. (New) A medium according to claim 19, wherein the cobalt is present in a concentration of between 10^{-3} M and 0.2 M.
29. (New) A medium according to claim 19, wherein the solvent has a donor number D greater than or equal to 10 and less than or equal to 30.
30. (New) A medium according to claim 19, wherein the ligand and the solvent are a single compound.